Receipt date: 06/09/2008

Sheet 1

Examine

Approved for use through 06/30/2008. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number ubstitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of 2

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/588981	_	
Filing Date	2006-08-10	_	
First Named Inventor	Roderick Boswell	_	
Art Unit		_	
Examiner Name		_	
Attamos Dealest Number	E146	_	

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f Income)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/M.S./		^{US-} 5,686,796	1997-11-11	BOSWELL et al.	
/M.S./		^{US-} 5,614,711	1997-03-25	LI et al.	
M.S./		^{US-} 4,503,329	1985-03-05	YAMAGUCHI et al.	
		US-			
		US-			
		US-			
		US-	1		
		US-			"
		US-			
		US-	<u> </u>	-	
		US-			
		US-			
		US-			
		US-	T	· ·	
		US+	-		
	\neg	US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Topicon or once becomen	Or Relevant Figures Appear	Τ ⁶	
	L						

/Meenakshi Sahu/ Signature Considered

"EXAMINER! Initial if reference considered, whether or not clation is in conformance with MPEP 609. Draw line through clation if not nontranance and not considered, include copy of this form with not communication to applicant. "Applicant's unique citation designation number (optional). "See Monts October of USPTO Parent Documents at https://www.uspto.gov or MPEP 90104. "Eiger Office that issued the document, by the worker one of WPO Standard ST.3", "For Japaneses patient documents, his indication of the year of the reign of the Emperor must precede the senial number of the patient document. "Nich of document by the approximate pyrabod as indicated on the document under WPO Standard ST.16 if possible." "Applicant is to place a check mask Telinghis harquage in approximate symbol as indicated on the document under WPO Standard ST.16 if possible." "Applicant is to place a check mask Telinghis harquage" Translation is attached

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including althering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of times you require to complete this former, upon the amount of times you require to complete this former. U.S Patient and Trademark Office, P.O. 8ox 1450, Alexandria, VA 223154450, D.O. MOT, SEND FEES OR COMPLETED FORMS THIS ADDRESS. SEND. TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

6/09/2008

Approved for use through 06/30/2008. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Uni	der Paperwork Red	luction A	ct of 1995, no persons ar	U.S. Patent e required to respond to a collection	and Trademark Office; U.S. DEPARTMENT OF COMMERCE of information unless it contains a valid OMB control number.	
Substitute form 1449/PTO				Complete if Known		
T 8 1 1				Application Number	10/588981	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	2006-08-10	
			PPLICANT	First Named Inventor	Roderick Boswell	
				Art Unit		
			ecessary)	Examiner Name		
Sheet	1	of	2	Attorney Docket Number	F146	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/M.S./		COUPLAND, J.R., T.S. GREEN, D.P. HAMMOND, and A.C. RIVIERE, "A Study of the Ion Beam Intensity and Divergence Obtained from a Single Aperture Three Electrode Extraction System," American Institute of Physics, Spothember 1973, Vol. 44, No. 9, pages 1258-1270.	
/M.S./		HARRISON, E.R., "Approximate electrode shapes for a cylindrical electron beam," British Journal of Applied Physics, January 1954, Vol. 5, pages 40-41.	
/M.S.	,	DAYKIN, P.N., "Electrode shapes for a cylindrical electron beam," British Journal of Applied Physics, 1955, Vol. 6, page 248.	
/M.S	./	LIEBERMAN, M.A., LICHTENBERG, A.J., "Principles of Plasma Discharges and Materials Processing," John Wiley & Sons, New York, 1994, 1st Edition, pages 31-37, page 157-163.	
			- 07
*			

Examiner		Date	00/05/0040
Signature	/Meenakshi Sahu/	Considered	08/25/2010

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

¹ Applicants unique citation designation number (cottonal). Z Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 140. The information is required to obtain or retain a benefit by the public which is to fit dand by the USPTO to process) an application. Confidentially is governed by 35 U.S. C. 122 and 37 CFR 1-14. This collection is estimated to take 2 hours to complete, including galfering, preparing, and submitting the completed application forms to the USPTO. Time will vary depending one he individual case, you owners not not required.
Vary depending one he individual case, you owners not not required. The complete application forms to the USPTO. Time will vary depending one he individual case.
Vary depending one he end to the Complete application. One of the Complete application.
Vary depending one he end to the Complete application.
Vary depending one he end to the Complete application.
Vary depending one he end to the Complete application.
Vary depending one he end to the Complete application.
Vary depending one of the did to the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the did the Complete application.
Vary depending one of the complete application.
Vary depending one of the publication.
Vary depending